

INTERNATIONAL SEARCH REPORT

Intern *** Application No
PCT, 03/03928

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A47L9/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A47L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 904 816 A (SKOLFIELD W K) 22 September 1959 (1959-09-22) column 5, line 4 -column 6, line 50 figures	1,14
A	US 2 904 817 A (BRENNAN D H) 22 September 1959 (1959-09-22) column 5, line 33 -column 6, line 8 figures 5,6	1,14

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
9 December 2003	22/12/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Cabral Matos, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DATABASE WPI Section PQ, Week 199909 Derwent Publications Ltd., London, GB; Class P28, AN 1999-099209 XP002264447 -& JP 10 328092 A (TOKYO ELECTRIC CO LTD), 15 December 1998 (1998-12-15) abstract figures ----	1,14
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 04, 30 April 1999 (1999-04-30) -& JP 11 009523 A (KWANGJU ELECTRON CO LTD), 19 January 1999 (1999-01-19) abstract figures ----	1,14
A	US 5 802 666 A (JUNG YOUNG-JUNE) 8 September 1998 (1998-09-08) abstract figures 3-5 ----	1,14
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